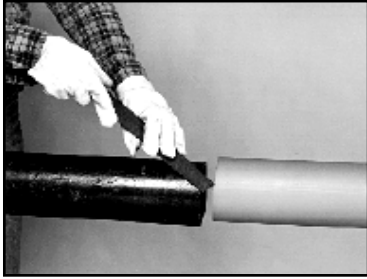


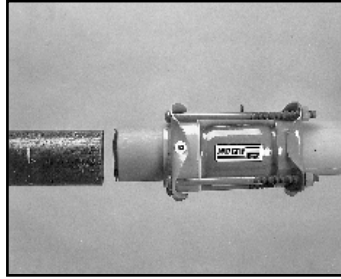


**Class I-EZ IPS Straight Insulating
Class II-EZ IPS Reducing Insulating
INSTALLATION INSTRUCTIONS**

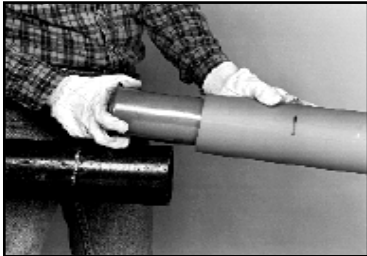
For joining STEEL and PLASTIC pipes IN ANY COMBINATION



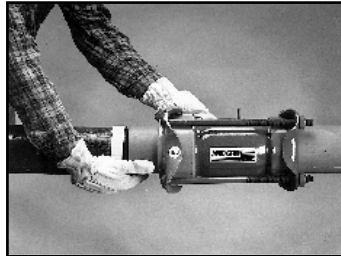
1. Clean pipe ends at least 6" back from end, removing dirt, rust, oil and scale. Pipe ends must be cut square (straight) and be free of longitudinal grooves. NOTE: Leave a 1" minimum gap between pipe ends for the spacer ring. Gap should not exceed 2".



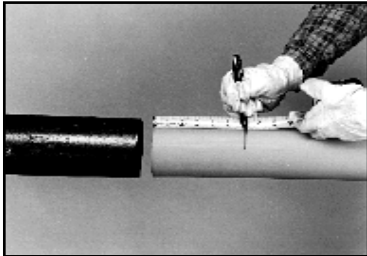
6. Pull coupling entirely onto one pipe (if reducing, pull onto smaller pipe). If coupling does not stab easily onto pipe, see other side of these instructions. NOTE: Max pipe deflection should not exceed 2° at each pipe end.



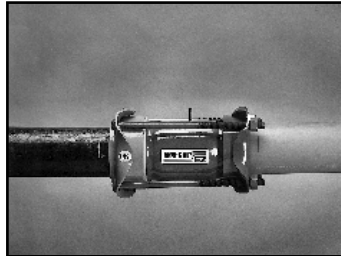
2. When joining non-metallic pipe, insert a properly sized metallic stiffener into non-metallic pipe end(s). The stiffener must be at least 7" long and be marked with the same SDR as the pipe.



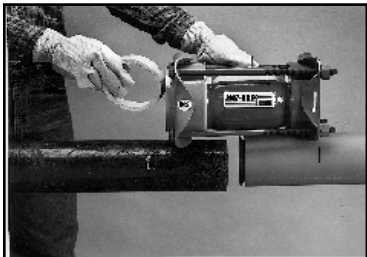
7. Hold spacer ring between pipes while backing coupling over other pipe.



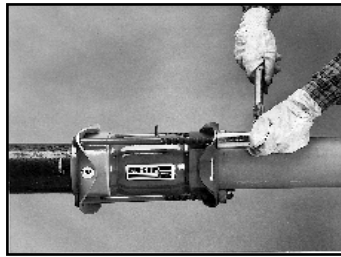
3. Mark each pipe 6" back from end.



8. Center coupling between marks on pipes.

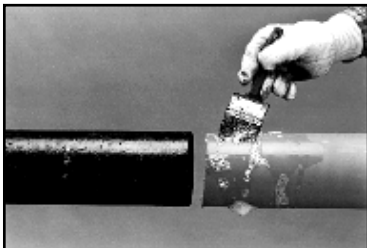


4. Remove spacer ring from inside of coupling. (See other side of instructions for insulator details.) Note: Spacer ring not needed when joining to non-metallic pipe.



9. Torque nuts fully and evenly, in uniform increments, in a criss-cross pattern for all sizes to:

90ft-lbs +/- 10 ft-lbs



5. Lubricate pipes and coupling gaskets.

**Tensile Rating Per DOT 192.283 (b)
Class I-IPS Straight-Insulating**

PIPE DIAMETER		CATALOG NUMBER	CERTIFIED PER CFR 49 PART 192.283 (B)*	
NOMINAL	ACTUAL	INSULATING	PE 2306/2406	PE 3406/3408
2	2.375	EZ29A7UMG	SDR 11	SDR 9.33
3	3.500	EZ39A7UMG	SDR 11	SDR 9.33
4	4.500	EZ49A7UMG	SDR 11	SDR 9.33
6	6.625	EZ69A7UMG	SDR 11	SDR 11

Class II-IPS Reducing-Conductive

PIPE DIAMETER		INSULATING	CERTIFIED PER CFR 49 PART 192.283 (B)*	
NOMINAL	ACTUAL	INSULATING	PE 2306/2406	PE 3406/3408
2 to 1-1/4	2.375/1.66	EZ219A7UMG	SDR 11/10*	SDR 9.33
3 to 2	3.50/2.375	EZ329A7UMG	SDR 11	SDR 9.33
4 to 2	4.50/2.375	EZ429A7UMG	SDR 11	SDR 9.33
4 to 3	4.50/3.50	EZ439A7UMG	SDR 11	SDR 9.33
6 to 4	6.625/4.50	EZ649A7UMG	SDR 11	SDR 11

PRESSURE RATING
200 WOG (PE to PE)
200 WOG (PE to STEEL)
300 WOG (STEEL to STEEL)

Insulating Maxi-Grip™ EZ

DISASSEMBLY INSTRUCTIONS

Most installations should not require disassembly of the Maxi-Grip™ EZ coupling. If a coupling does not stab, loosen the nuts and then gently attempt to pull the coupling onto the pipe.

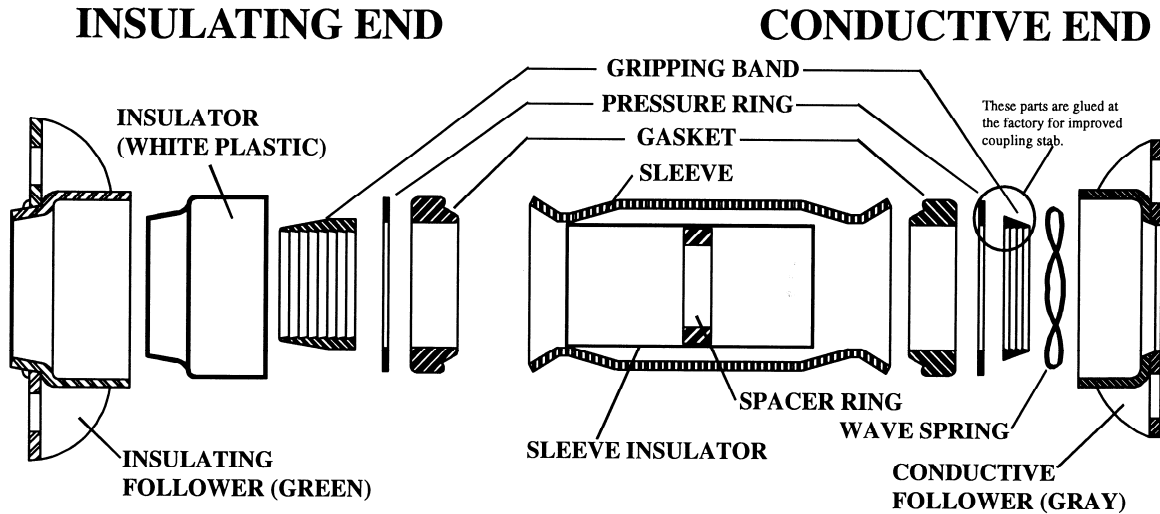
If the coupling must be disassembled for installation (such as in tight spaces or on out-of-round pipe), observe the following guidelines:

- 1) **Prepare pipes** as per instructions 1 thru 5 on other side.
- 2) **Remove nuts** (and bolts) from coupling, but keep all component parts within each follower.
- 3) **Slide each follower** (with internal components) onto its respective pipe.
- 4) **Remove spacer ring** from inside of coupling and place between pipe ends.

NOTE: See Insulator Detail Below

- 5) **Center Barrel** (Sleeve) between marks on pipes. Be sure that sleeve insulator remains in sleeve.
- 6) **Bring each follower back against sleeve.** Be sure to keep components evenly aligned with pipe.
- 7) **Replace bolts and nuts** and tighten fully to a minimum torque of 80 Ft.-Lbs. and a maximum of 100 Ft. Lbs.

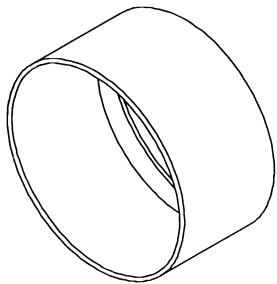
Note: In extreme cases it may be necessary to slide component parts individually onto each pipe. In this case, slide the parts onto each pipe as indicated below.



SLEEVE INSULATOR SYSTEMS

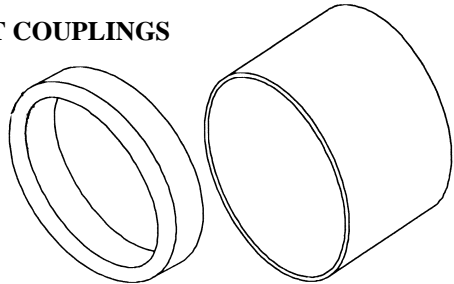
FOR REDUCING COUPLINGS

**1 PIECE
MOLDED
INSULATOR**



FOR STRAIGHT COUPLINGS

**2 PIECE BOOT
AND SPACER
INSULATOR**



Smith-Blair, Inc.